

10/594050

IAP01 Rec'd PCT/PTO 25 SEP 2006

**ENGLISH LANGUAGE TRANSLATION
OF THE AMENDMENTS TO THE CLAIMS
UNDER PCT ARTICLE 19**

SCOPE OF DEMAND

(Amendment under Article 19(1))

1. (Amended) In a regenerator which contains regenerator material in internal
5 path for refrigerant and in which heat is exchanged between the refrigerant and
regenerator material;

a regenerator characterized in that said regenerator material is any one of Sn,
Bi-Sn alloy and Ag-Sn alloy.

2. Regenerator according to claim 1 in which said regenerator material is Bi-Sn
10 and content ratio of Bi to Sn in said Bi-Sn is larger than 0% and smaller than 50 %.

3. Regenerator according to claim 1 in which said regenerator material is Ag-Sn
and content ratio of Ag to Sn in said Ag-Sn is larger than 0% and smaller than 50 %.

4. Regenerator according to claims 1 to 3 in which said regenerator material has
plural shapes of spheres and they are packed in said internal path.

- 15 5. Cryogenics pump provided with a regenerator according to claims 1 to 4.